FlexFit (Hybrid UL Type A + B) PLC/T

16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

Philips FlexFit (Hybrid UL Type A + B) lamps are designed with the customer in mind for installation flexibility. The FlexFit lamp can operate as both a plug and play (UL Type-A) and direct wire (UL Type-B). As with all Philips products, the FlexFit family of lamps are compatible with more ballasts than any manufacturer giving the customer peace of mind during installation. Additionally, the long life (50K hours) delivers reduced maintenance and replacement costs. Available as replacements for 32W and 42w compact fluorescent lamps

Product data

General Information

Cap-Base	G24q
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED

Light Technical

Color Code	2700/3000/3500/4000/5000
Beam Angle (Nom)	120 degree(s)
Luminous Flux	1,750 1,750 1,750 1,850 1,850 lm
Color Designation	2700/3000/3500/4000/5000
Luminous Efficacy (rated) (Nom)	115 lm/W
Correlated Color Temperature (Nom)	2700 3000 3500 4000 5000 K
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	16 W
Lamp Current (Nom)	166 mA
Wattage Equivalent	42 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	UL Type A+B

Temperature

Ambient temperature range	-4 to +113 °F
T-Case Maximum (Nom)	185 °F

Controls and Dimming

Dimmable	Only with specific dimmers

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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	3-15/16 inch
Bulb Shape	PL-C

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes

Application Conditions

can it be used in closed luminaires	Yes

Product Data

Order product name	16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1
Full product name	16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1
Order code	589788
Material Nr. (12NC)	929003807304
Numerator – Quantity Per Pack	1
Net Weight (Piece)	0.419 lb
EAN/UPC – Product/Case	046677589783
Numerator – Packs per outer box	10
EAN/UPC – Case	50046677589788

Dimensional drawing
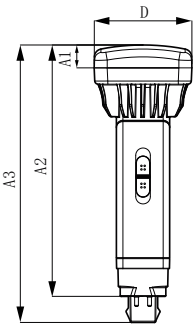
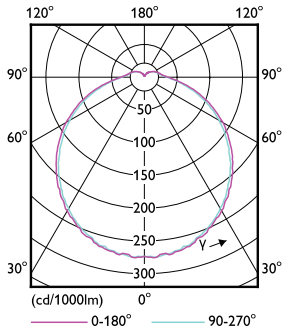| Product	D1	D	A1	A2	A3
16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1	2-3/8 inch	2-3/8 inch	9/16 inch	6-1/8 inch	6-3/4 inch

Photometric data
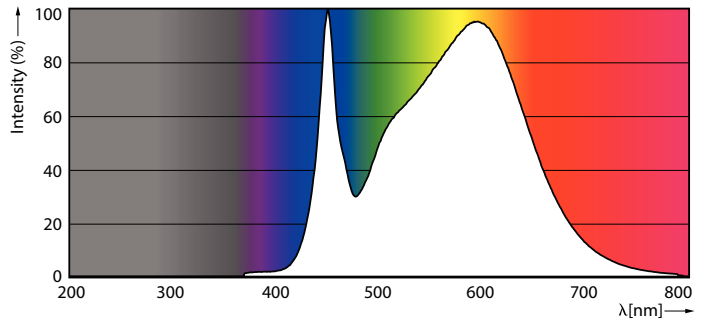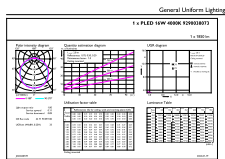
General uniform lighting – 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

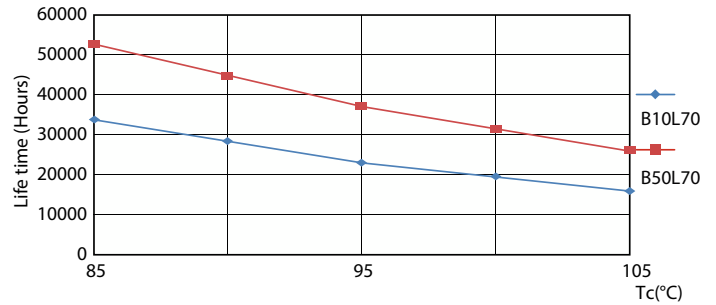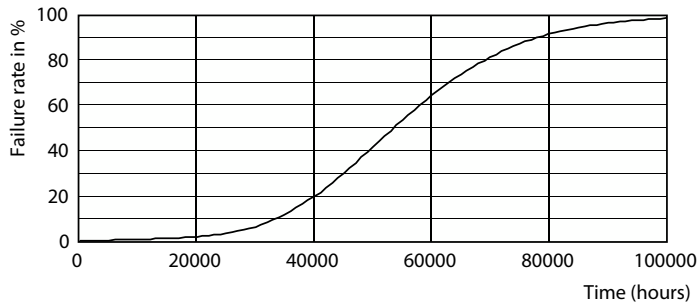Spectral Power Distribution Colour – 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

FlexFit (Hybrid UL Type A + B) PLC/T
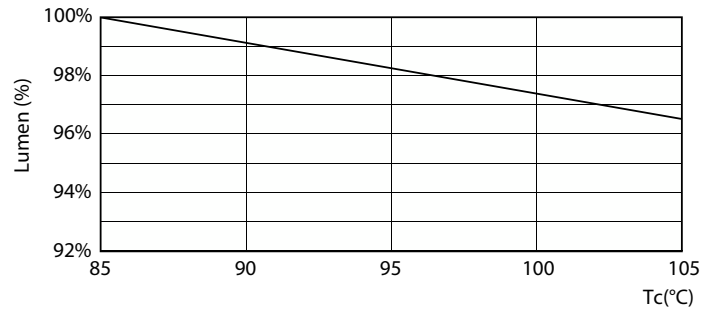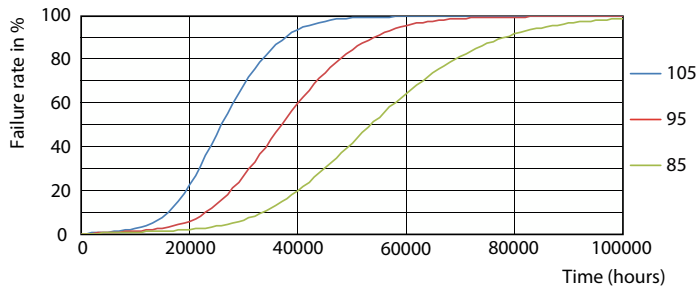
Photometric data

Lifetime

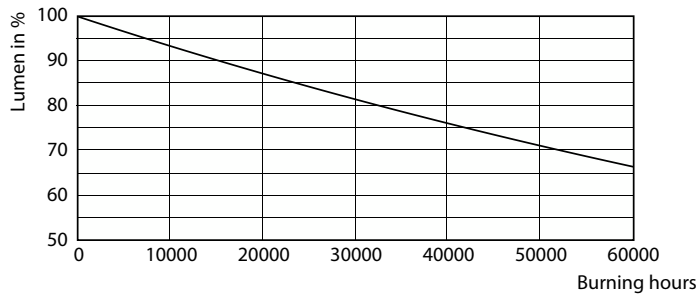Life Expectancy Diagram

Life Expectancy Diagram

Life Expectancy Diagram

Lumen Maintenance Diagram – 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

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Lifetime

Lumen Maintenance Diagram – 16PL–C/T/COR/42HV–5CCT/FF18/4P/10/1

www.lighting.philips.com

2024, April 13 – data subject to change